



UNITED STATES MARINE CORPS
MARINE CORPS SYSTEMS COMMAND
2200 LESTER STREET
QUANTICO, VIRGINIA 22134-5010

IN REPLY REFER TO:

5720
DON-USMC-2018-009807
28 Aug 18

EMAILED TO: *rlevinson@bloomberg.net*

BLOOMBERG NEWS
MR. ROBERT LEVINSON
1101 K. ST NW
WASHINGTON DC 20005

SUBJECT: DON-USMC-2018-009808

Dear Mr. Levinson:

This letter responds to your Freedom of Information Act request dated July 25, 2018, requesting "a copy of all Major Automated Information System (MAIS) annual reports (MAR) from 07/01/2013 to 07/15/2016."

The requested documents are enclosed. Following a review of the requested documents, we have determined that there is no objection to the release of the requested documents.

As of August 29, 2018, one hour of search and review (currently billed at \$48 per hour) has been expended during the processing of your request. Please remit a check or money order, payable to the Treasurer of the United States in the amount of \$48.00 to:
COMMANDER, ATTN LAW, MARCORSYSCOM, 2200 LESTER STREET, SUITE 120,
QUANTICO VA 22134-5010.

If at any time you are not satisfied that a diligent effort was made to process your request, you may file an administrative appeal with the Assistant to the General Counsel (FOIA) at:

Department of the Navy
Office of the General Counsel
ATTN: FOIA Appeals Office
1000 Navy Pentagon Room 4E635
Washington DC 20350-1000

Any questions concerning this matter should be directed to Mrs. Bobbie Cave at (703) 432-3934 or bobbie.cave@usmc.mil.

Sincerely,

Bobbie Cave
for Lisa L. Baker
Counsel

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2015 Major Automated Information System Annual Report



Common Aviation Command and Control System Increment 1 (CAC2S Inc 1)

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Common Acronyms and Abbreviations for MAIS Programs

Acq O&M - Acquisition-Related Operations and Maintenance
ADM - Acquisition Decision Memorandum
AoA - Analysis of Alternatives
ATO - Authority To Operate
APB - Acquisition Program Baseline
BY - Base Year
CAE - Component Acquisition Executive
CDD - Capability Development Document
CPD - Capability Production Document
DAE - Defense Acquisition Executive
DoD - Department of Defense
DoDAF - DoD Architecture Framework
FD - Full Deployment
FDD - Full Deployment Decision
FY - Fiscal Year
IA - Information Assurance
IATO - Interim Authority to Operate
ICD - Initial Capability Document
IEA - Information Enterprise Architecture
IOC - Initial Operational Capability
IP - Internet Protocol
IT - Information Technology
KPP - Key Performance Parameter
\$M - Millions of Dollars
MAIS - Major Automated Information System
MAIS OE - MAIS Original Estimate
MAR – MAIS Annual Report
MDA - Milestone Decision Authority
MDD - Materiel Development Decision
MILCON - Military Construction
MS - Milestone
N/A - Not Applicable
O&S - Operating and Support
OSD - Office of the Secretary of Defense
PB - President's Budget
RDT&E - Research, Development, Test, and Evaluation
SAE - Service Acquisition Executive
TBD - To Be Determined
TY - Then Year
U.S.C- United States Code
USD(AT&L) - Under Secretary of Defense for Acquisition, Technology, & Logistics

Program Information

Program Name

Common Aviation Command and Control System Increment 1 (CAC2S Inc 1)

DoD Component

Navy

United States Marine Corps

Responsible Office

Program Manager

Col Rey Masinsin
Program Executive Officer Land Systems (PEO LS)
2200 Lester Street, Building 2210
Quantico, VA 22134

rey.masinsin@usmc.mil

Phone: 703-432-3093

Fax:

DSN Phone:

DSN Fax:

Date Assigned: August 9, 2012

References

MAIS Original Estimate

December 31, 2010

Approved APB

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated November 12, 2010

Business Case

Business Case Analysis, including the Analysis of Alternatives: Key functional requirements for this program were approved in the CAC2S Capability Production Document dated September 10, 2007 (with the Capability Production Letter of Clarification dated September 15, 2008). CAC2S will enable the consolidation of the existing functionality of the MACCS into a single system. It will provide common hardware, software, equipment, and facilities; hardware components will be modular and scalable. CAC2S will be interoperable with MACCS organic sensors and weapons systems, support the tenets of Expeditionary Maneuver Warfare, and foster joint interoperability. The program was being restructured in September 2008. Guidance for investigating reasonable restructured alternative systems or capabilities and associated costs was issued September 26, 2008, in a memorandum from Assistant Secretary of the Navy (ASN) (Research, Development, and Acquisition (RDA)) to Program Executive Officer Land Systems (PEO LS). A plan for the analysis was included in the Critical Change Report dated April 24, 2009. The ensuing Analysis of Alternatives considered four existing systems, eight individual components, and two emerging, future Department of Defense (DOD) initiatives as alternatives. The analysis resulted in the CAC2S alternative being approved by ASN (RDA), the Milestone Decision Authority, in a Program Decision Memorandum (PDM), "CAC2S Increment I," May 05, 2009. As the result of the PDM, the independent component cost estimate, which is the Service Cost Position (SCP), was developed and subsequently, approved by the Deputy Assistant Secretary of the Navy (Cost & Economics) on July 13, 2010. Subsequent to the SCP approval, a revised Acquisition Program Baseline (APB) was approved by ASN (RDA) on November 12, 2010 and the CAC2S Phase 1 Milestone C was approved on November 30, 2010.

Firm, Fixed-Price Feasibility: The determination of the development/integration contract type was based on cost and technical risk associated with satisfying the requirement.

Since the cost and technical risk of satisfying the requirements is sufficiently well understood, the Milestone Decision Authority has selected several fixed-price contracts to execute the program's current Phase 1 and Phase 2. In Phase 1, the Government field activity is conducting the program's Phase 1 integration/assembly efforts as well as a firm fixed-price (FFP) contract for software licenses to be hosted and integrated with the PDS. Phase 1 also includes one cost-type contract which is for the voice communication network software improvements. Phase 2 consists of four FFP contracts demonstrating PDS/SDS prototype Technology Readiness Level 8 components as well as a transportability analysis and a single Fixed Price Incentive (FPI) contract to design, engineer, develop, integrate, fabricate, test and deliver Engineering Development Models, Limited Deployment Units, Initial Spares and Software Maintenance support.

Independent Cost Estimate: The Undersecretary of Defense for Acquisition, Technology, and Logistics is not the Milestone Decision Authority, and an independent cost estimate is not required by 10 United States Code (U.S.C.) 2334(a) (6) in response to the Critical Change experienced. However, an independent component cost estimate, Service Cost Position (SCP), was completed on July 13, 2010 by the Naval Center for Cost Analysis and submitted to the ASN (RDA), the Milestone Decision Authority, to establish the CAC2S Increment I APB.

Certification of Business Case Alignment; Explanation: I certify that all technical and business requirements have been reviewed and validated to ensure alignment with the business case. This certification is based on my review of the above

mentioned SCP, APB and CAC2S Phase 1 Milestone C.

The above information was certified and provided to Congress in the 2011 MAIS Annual Report.

Business Case Certification:

Name: William E. Taylor, PEO LS, 2011-02-17

Business Case Changes

There has been no significant change to the Business Case since it was last certified.

Program Status

Annual Report: The program is substantially on track to remain within the schedule, cost and performance thresholds identified in the Original Estimate; there have been no Significant or Critical Changes (as defined by 10 U.S.C. Chapter 144A) reported since the previous annual report to the congressional defense committees.

Schedule

Schedule Events		
Events	Original Estimate Objective	Current Estimate (Or Actual)
Milestone 0	Jul 1997	Jul 1997
Milestone 1 (Milestone A equivalent)	Aug 2000	Oct 2000
Milestone B	Oct 2002	Oct 2002
Milestone C - Phase 1 ¹	Nov 2010	Nov 2010
Full Deployment Decision - Phase 1 ²	Sep 2011	Oct 2011
Milestone C - Phase 2 ³	Sep 2014	Mar 2015
Full Deployment ⁴	TBD	Mar 2022

Memo

1/ The program's original MS C was completed on December 17, 2007 but was rescinded by Assistant Secretary of the Navy (ASN) (Research, Development and Acquisition (RDA)) on December 7, 2009 as a result of a Critical Change (Report delivered on April 24, 2009) and subsequent program restructuring. The program completed a successful MS C - Phase 1 review on November 17, 2010; the resulting Common Aviation Command and Control System MS C - Phase 1 ADM was issued by ASN (RDA) on November 30, 2010.

2/ The FDD - Phase 1 Review was successfully conducted and the FDD - Phase 1 ADM was signed by ASN (RDA) on October 25, 2011. Furthermore, an ADM on July 8, 2013 clarified that the FDD granted on October 25, 2011 was the final FDD for Increment I.

3/ Current Estimate which is the Program Manager's (PM) estimated date of Mar 2015 for MS C - Phase 2 is still within the CAC2S Increment I approved APB Threshold date which is Mar 2015.

4/ The FD date is TBD. However, the PM has made a recommendation via a Memo to ASN (RDA) on April 17, 2014 and with the Program Executive Officer's endorsement on April 23, 2014 for the new FD date. This FD determination is based on the Director, Capabilities Development Directorate Letter of March 28, 2014 and based on PB15 Funding Level and when the CAC2S Approved Acquisition Objective is fielded with the requisite training, technical manuals, and spares.

Performance

Performance Characteristics		
Original Estimate Objective/Threshold		Current Estimate (Or Actual)
Net-Ready		
The system must fully support execution of all operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for Net-Centric military operations to include: 1) Department of Defense Information Technology Standards and Profile Registry (DISR)-mandated Global Information Grid (GIG) Information Technology (IT) standards and profiles identified in the Technical View (TV)-1; 2) DISR mandated GIG Key Interface Profiles (KIPs) identified in the KIP declaration table; 3) Net-Centric Operations Warfare (NCOW) Reference Model (RM) Enterprise Services; 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an Approval to Operate (ATO) by the Designated Approval Authority (DAA), and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and system integrated architecture views.	The system must fully support execution of joint critical operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) DISR mandated GIG IT standards and profiles identified in the TV-1; 2) DISR mandated GIG KIPs identified in the KIP declaration table; 3) NCOW RM Enterprise Services; 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an Interim Approval to Operate (IATO) by the DAA, and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and system integrated architecture views.	Will meet Threshold
Mission Performance - Data Fusion		
The system shall fuse real-time, near real-time, and non-real-time data for display on any workstation in order to produce a CommonOperational Picture (COP) and a Single Integrated Air Picture (SIAP). Specific Data Fusion values (Objective) are Classified per the approved CAC2S Increment 1 Acquisition Program Baseline (APB)	The system shall fuse real-time, near real-time, and non-real-time data for display on any workstation in order to produce a CommonTactical Picture (CTP) and Air Operations data in tabular form. Specific Data Fusion values (Threshold) are CLASSIFIED per the approved CAC2S Increment 1 APB.	Will meet Threshold

Acronyms and Abbreviations

CAC2S - Common Aviation Command and Control System
COP - Common Operational Picture
CTP - Common Tactical Picture
DAA - Designated Approval Authority
DISR - Department of Defense Information Technology Standards and Profile Registry
GIG - Global Information Grid
KIP - Key Interface Profile
NCOW - Net-Centric Operations Warfare
RM - Reference Model
SIAP - Single Integrated Air Picture
TV - Technical View

Cost

CAC2S Inc 1				
Appropriation Category	BY 2009 \$M		TY \$M	
	Original Estimate	Current Estimate Or Actual	Original Estimate	Current Estimate Or Actual
Acquisition Cost				
RDT&E	646.9	552.8	647.0	548.1
Procurement	281.4	318.5	308.8	364.0
MILCON	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0
Total Acquisition Cost	928.3	871.3	955.8	912.1
Operating and Support (O&S) Cost				
Total Operating and Support (O&S) Cost	1036.0	1040.7	1507.0	1471.8
Total Life-Cycle Cost				
Total Life-Cycle Cost	1964.3	1912.0	2462.8	2383.9

Cost Notes

1. This report and the Budget Year IT-1 Exhibit cover different time periods thus the costs will not match.
2. Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
3. The O&S costs reflect all work performed during that phase, regardless of the type or source of funding.
4. CAC2S Life-Cycle Cost estimate extends to FY 2038.

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2014 Major Automated Information System Annual Report



Common Aviation Command and Control System Increment 1 (CAC2S Inc 1)

Defense Acquisition Management
Information Retrieval
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CPD - Capability Production Document
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DoD - Department of Defense
DoDAF - DoD Architecture Framework
FD - Full Deployment
FDD - Full Deployment Decision
FY - Fiscal Year
IA - Information Assurance
IATO - Interim Authority to Operate
ICD - Initial Capability Document
IEA - Information Enterprise Architecture
IOC - Initial Operational Capability
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PB - President's Budget
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SAE - Service Acquisition Executive
TBD - To Be Determined
TY - Then Year
U.S.C- United States Code
USD(AT&L) - Under Secretary of Defense for Acquisition, Technology, & Logistics

Program Information

Program Name

Common Aviation Command and Control System Increment 1 (CAC2S Inc 1)

DoD Component

Navy

United States Marine Corps

Responsible Office

Program Manager

Col Rey Masinsin
Program Executive Officer Land Systems (PEO LS)
2200 Lester Street, Building 2210
Quantico, VA 22134

rey.masinsin@usmc.mil

Phone: 703-432-3093

Fax:

DSN Phone:

DSN Fax:

Date Assigned: August 9, 2012

References

MAIS Original Estimate

December 31, 2010

Approved APB

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated November 12, 2010

Business Case

Business Case Analysis, including the Analysis of Alternatives: Key functional requirements for this program were approved in the CAC2S Capability Production Document dated September 10, 2007 (with the Capability Production Letter of Clarification dated September 15, 2008). CAC2S will enable the consolidation of the existing functionality of the MACCS into a single system. It will provide common hardware, software, equipment, and facilities; hardware components will be modular and scalable. CAC2S will be interoperable with MACCS organic sensors and weapons systems, support the tenets of Expeditionary Maneuver Warfare, and foster joint interoperability. The program was being restructured in September 2008. Guidance for investigating reasonable restructured alternative systems or capabilities and associated costs was issued September 26, 2008, in a memorandum from Assistant Secretary of the Navy (ASN) (Research, Development, and Acquisition (RDA)) to Program Executive Officer Land Systems (PEO LS). A plan for the analysis was included in the Critical Change Report dated April 24, 2009. The ensuing Analysis of Alternatives considered four existing systems, eight individual components, and two emerging, future Department of Defense (DOD) initiatives as alternatives. The analysis resulted in the CAC2S alternative being approved by ASN (RDA), the Milestone Decision Authority, in a Program Decision Memorandum (PDM), "CAC2S Increment I," May 05, 2009. As the result of the PDM, the independent component cost estimate, which is the Service Cost Position (SCP), was developed and subsequently, approved by the Deputy Assistant Secretary of the Navy (Cost & Economics) on July 13, 2010. Subsequent to the SCP approval, a revised Acquisition Program Baseline (APB) was approved by ASN (RDA) on November 12, 2010 and the CAC2S Phase 1 Milestone C was approved on November 30, 2010.

Firm, Fixed-Price Feasibility: The determination of the development/integration contract type was based on cost and technical risk associated with satisfying the requirement.

Since the cost and technical risk of satisfying the requirements is sufficiently well understood, the Milestone Decision Authority has selected several fixed-price contracts to execute the program's current Phase 1 and Phase 2. In Phase 1, the Government field activity is conducting the program's Phase 1 integration/assembly efforts as well as a firm fixed-price (FFP) contract for software licenses to be hosted and integrated with the PDS. Phase 1 also includes one cost-type contract which is for the voice communication network software improvements. Phase 2 consists of four FFP contracts demonstrating PDS/SDS prototype Technology Readiness Level 8 components as well as a transportability analysis and a single Fixed Price Incentive (FPI) contract to design, engineer, develop, integrate, fabricate, test and deliver Engineering Development Models, Limited Deployment Units, Initial Spares and Software Maintenance support.

Independent Cost Estimate: The Undersecretary of Defense for Acquisition, Technology, and Logistics is not the Milestone Decision Authority, and an independent cost estimate is not required by 10 United States Code (U.S.C.) 2334(a) (6) in response to the Critical Change experienced. However, an independent component cost estimate, Service Cost Position (SCP), was completed on July 13, 2010 by the Naval Center for Cost Analysis and submitted to the ASN (RDA), the Milestone Decision Authority, to establish the CAC2S Increment I APB.

Certification of Business Case Alignment; Explanation: I certify that all technical and business requirements have been reviewed and validated to ensure alignment with the business case. This certification is based on my review of the above

mentioned SCP, APB and CAC2S Phase 1 Milestone C.

The above information was certified and provided to Congress in the 2011 MAIS Annual Report.

Business Case Certification:

Name: William E. Taylor, PEO LS, 2011-02-17

Business Case Changes

There has been no significant change to the Business Case since it was last certified.

Program Status

Annual Report: The program is substantially on track to remain within the schedule, cost and performance thresholds identified in the Original Estimate; there have been no Significant or Critical Changes (as defined by 10 U.S.C. Chapter 144A) reported since the previous annual report to the congressional defense committees.

Schedule

Schedule Events		
Events	Original Estimate Objective	Current Estimate (Or Actual)
Milestone 0	Jul 1997	Jul 1997
Milestone 1 (Milestone A equivalent)	Aug 2000	Oct 2000
Milestone B	Oct 2002	Oct 2002
Milestone C - Phase 1 ¹	Nov 2010	Nov 2010
Full Deployment Decision - Phase 1 ²	Sep 2011	Oct 2011
Milestone C - Phase 2 ³	Sep 2014	Feb 2015
Full Deployment ⁴	TBD	Sep 2023

Memo

1/ The program's original Milestone (MS) C was completed on December 17, 2007 but was rescinded by Assistant Secretary of the Navy (ASN) (Research, Development and Acquisition (RDA)) on December 7, 2009 as a result of a Critical Change (Report delivered on April 24, 2009) and subsequent program restructuring. The program completed a successful MS C - Phase 1 review on November 17, 2010; the resulting Common Aviation Command and Control System MS C - Phase 1 Acquisition Decision Memorandum (ADM) was issued by ASN (RDA) on November 30, 2010.

2/ The Full Deployment Decision (FDD) - Phase 1 Review was successfully conducted and the FDD - Phase 1 ADM was signed by ASN (RDA) on October 25, 2011. Furthermore, an ADM on July 8, 2013 clarified that the FDD granted on October 25, 2011 was the final FDD for Increment I.

3/ Current Estimate which is the Program Manager's estimated date of FEB 2015 for MS C - Phase 2 is still within the CAC2S Increment I approved Acquisition Program Baseline Threshold date which is MAR 2015.

4/ The Full Deployment (FD) date is TBD. FD will be defined and the Original Estimate Objective date for FD will be determined at the next Sufficiency Review with ASN (RDA). The Current Estimate date for FD is the Program Manager's estimated date which is September 2023.

Acronyms and Abbreviations

TBD - To Be Determined

Performance

Performance Characteristics		
Original Estimate Objective/Threshold		Current Estimate (Or Actual)
Net-Ready		
The system must fully support execution of all operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for Net-Centric military operations to include: 1) Department of Defense Information Technology Standards and Profile Registry (DISR)-mandated Global Information Grid (GIG) Information Technology (IT) standards and profiles identified in the Technical View (TV)-1; 2) DISR mandated GIG Key Interface Profiles (KIPs) identified in the KIP declaration table; 3) Net-Centric Operations Warfare (NCOW) Reference Model (RM) Enterprise Services; 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an Approval to Operate (ATO) by the Designated Approval Authority (DAA), and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and system integrated architecture views.	The system must fully support execution of joint critical operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) DISR mandated GIG IT standards and profiles identified in the TV-1; 2) DISR mandated GIG KIPs identified in the KIP declaration table; 3) NCOW RM Enterprise Services; 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an Interim Approval to Operate (IATO) by the DAA, and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and system integrated architecture views.	Will meet Threshold
Mission Performance - Data Fusion		
The system shall fuse real-time, near real-time, and non-real-time data for display on any workstation in order to produce a CommonOperational Picture (COP) and a Single Integrated Air Picture (SIAP). Specific Data Fusion values (Objective) are Classified per the approved CAC2S Increment 1 Acquisition Program Baseline (APB)	The system shall fuse real-time, near real-time, and non-real-time data for display on any workstation in order to produce a CommonTactical Picture (CTP) and Air Operations data in tabular form. Specific Data Fusion values (Threshold) are CLASSIFIED per the approved CAC2S Increment 1 APB.	Will meet Threshold

Acronyms and Abbreviations

APB - Acquisition Program Baseline

ATO - Approval to Operate

CAC2S - Common Aviation Command and Control System

COP - Common Operational Picture

CTP - Common Tactical Picture

DAA - Designated Approval Authority

DISR - Department of Defense Information Technology Standards and Profile Registry

GIG - Global Information Grid

IATO - Interim Approval to Operate

IT - Information Technology

KIP - Key Interface Profile

NCOW - Net-Centric Operations Warfare

RM - Reference Model

SIAP - Single Integrated Air Picture

TV - Technical View

Cost

CAC2S Inc 1				
Appropriation Category	BY 2009 \$M		TY \$M	
	Original Estimate	Current Estimate Or Actual	Original Estimate	Current Estimate Or Actual
Acquisition Cost				
RDT&E	646.9	546.5	647.0	542.0
Procurement	281.4	271.3	308.8	308.0
MILCON	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0
Total Acquisition Cost	928.3	817.8	955.8	850.0
Operating and Support (O&S) Cost				
Total Operating and Support (O&S) Cost	1036.0	1040.7	1507.0	1471.8
Total Life-Cycle Cost				
Total Life-Cycle Cost	1964.3	1858.5	2462.8	2321.8

Cost Notes

1. This report and the Budget Year IT-1 Exhibit cover different time periods thus the costs will not match.
2. Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
3. The O&S costs reflect all work performed during that phase, regardless of the type or source of funding.
4. CAC2S Life Cycle Cost estimate extends to FY 2038.

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2015
Major Automated Information System
Annual Report



Global Combat Support System-Marine Corps Logistics Chain
Management Increment 1 (GCSS-MC LCM Inc 1)

Defense Acquisition Management
Information Retrieval
(DAMIR)

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DAE - Defense Acquisition Executive
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DoDAF - DoD Architecture Framework
FD - Full Deployment
FDD - Full Deployment Decision
FY - Fiscal Year
IA - Information Assurance
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ICD - Initial Capability Document
IEA - Information Enterprise Architecture
IOC - Initial Operational Capability
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IT - Information Technology
KPP - Key Performance Parameter
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MAIS - Major Automated Information System
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MAR – MAIS Annual Report
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MS - Milestone
N/A - Not Applicable
O&S - Operating and Support
OSD - Office of the Secretary of Defense
PB - President's Budget
RDT&E - Research, Development, Test, and Evaluation
SAE - Service Acquisition Executive
TBD - To Be Determined
TY - Then Year
U.S.C- United States Code
USD(AT&L) - Under Secretary of Defense for Acquisition, Technology, & Logistics

Program Information

Program Name

Global Combat Support System-Marine Corps Logistics Chain Management Increment 1 (GCSS-MC LCM Inc 1)

DoD Component

Navy

United States Marine Corps

Responsible Office

Program Manager

Mr. David Hansen
2200 Lester Street
Quantico, VA 22134-5050

david.k.hansen@usmc.mil

Phone: 703-432-5803

Fax: 703-432-8701

DSN Phone:

DSN Fax:

Date Assigned: May 6, 2013

References

MAIS Original Estimate

April 17, 2014

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated April 3, 2014

Business Case

Business Case Analysis, including the Analysis of Alternatives: Key functional requirements for this program (which were articulated in the GCSS-MC Operational Requirements Document dated September 11, 2003) are summarized as follows:

- (1) Total Asset Visibility – GCSS-MC shall provide authorized users with timely and accurate information on the location, movement, status, and identity of Marine Corps units, personnel, equipment and supplies; and
- (2) Decision Support - GCSS-MC shall provide the Marine Corps specific information required by the GCSS-MC Capstone Requirements Document to support the Joint Task Force Commander's decision making process.

The Analysis of Alternatives dated May 10, 2004 considered a list of legacy, commercial-off-the-shelf (COTS) software, as well as developmental alternatives. The Analysis of Alternatives resulted in Alternative 4, COTS business application being recommended as the Preferred Alternative and approved by the Milestone Decision Authority (MDA) in an Acquisition Decision Memorandum (ADM), "GCSS-MC/LCM Block 1 Milestone A Technology Development Decision," July 23, 2004. The Analysis of Alternatives was validated in the Critical Change Report and for Milestone C. An Economic Analysis (EA) was performed on the selected alternative, and approved by the MDA in an ADM, "GCSS-MC/LCM Block 1 Milestone B Engineering and Manufacturing Decision," June 08, 2007.

Firm, Fixed-Price Feasibility: The determination of the development/integration contract type was based on cost and technical risk associated with satisfying the requirement. The MDA authorized a cost-type contract because development tasks are sufficiently complex and technically challenging that it is impossible to precisely estimate the cost of satisfying the requirements, and it is not practicable to reduce cost and technical risk to a level that would permit the use of a fixed price contract.

Independent Cost Estimate: The Senior Official determined on February 4, 2013 that the program experienced a Critical Change, and the revised Independent Cost Estimate completed on August 7, 2013 as part of the program evaluation determined that the estimate of total life-cycle costs for the program is closely aligned with the June 17, 2013 Service Cost Position (within 2%). The Independent Cost Estimate was used to inform the updated Acquisition Program Baseline.

Certification of Business Case Alignment; Explanation: I certify that all technical and business requirements have been reviewed and validated to ensure alignment with the business case. This certification is based on my review of the functional requirements, AoA, and EA as described above.

Business Case Certification:

Name: Mr. Victor S. Gavin

Organization: Navy/PEO Enterprise Information Systems for GCSS-MC LCM Inc 1

CAC Subject: CN=GAVIN.VICTOR.S.1229819859,OU=USN,OU=PKI,OU=DoD,O=U.S. Government,C=US

Date: 3/12/2014 07:22 AM

Business Case Changes

There has been no significant change to the Business Case since it was last certified.

Independent Cost Estimate: An Independent Cost Estimate was completed on November 19, 2014 and the Service Cost Position (SCP) was updated on November 24, 2014 to support the FDD. The Current Estimate is based on President's Budget FY 2016, and the program is fully funded to the FDD SCP. The Original Estimate is from the April 3, 2014 MAIS OE. The net change from the MAIS OE is +0.4%.

Program Status

Annual Report: The program is substantially on track to remain within the schedule, cost and performance thresholds identified in the MAIS Original Estimate; there have been no Significant or Critical Changes (as defined by 10 U.S.C. Chapter 144A) reported since the previous MAIS Annual Report to Congress.

Schedule

Schedule Events		
Events	Original Estimate Objective	Current Estimate (Or Actual)
Milestone A	Jul 2004	Jul 2004
Milestone B	Jun 2007	Jun 2007
Milestone C	May 2010	May 2010
FDD	Sep 2014	Mar 2015
FD	TBD	Dec 2015

Performance

Performance Characteristics		
Original Estimate Objective/Threshold		Current Estimate (Or Actual)
Net Ready^{1, 2}		
(Objective = Threshold) 100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.	100% of interfaces, services, policy -enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.	Met Threshold
Visibility^{1, 3}		
(Objective = Threshold) Transactions are visible within 10 minutes 95% of the time.	Transactions are visible within 10 minutes 95% of the time.	Met Threshold

Memo

Net-Ready: All activity interfaces, services, policy enforcement controls & data-sharing of Net-Centric Operations and Warfare Reference Model & Global Information Grid - Key Interface Profiles will be satisfied to the requirements of specified Joint Integrated architecture products & information assurance accreditation, specified in the threshold and objective values.

Visibility: When connected to GCSS-MC/LCM Enterprise instances, transactions are visible to authorized users after entry by its originator.

1/ Source document for Net-Ready and Visibility KPPs is the GCSS-MC/LCM Capabilities Production Document dated January 28, 2010.

2/ Net-Ready KPP met at Release 1.1 Initial Operational Test and Evaluation and during 18 months of demonstrated operational system performance and post deployment systems support.

3/ Visibility KPP for Enterprise instance met Threshold parameters during Government Developmental Test and Evaluation on October 30, 2009. Deployed requirement deferred to future increment as approved by the Marine Corps and included in the September 6, 2013 Critical Change Report.

Acronyms and Abbreviations

GCSS-MC - Global Combat Support System-Marine Corps
LCM - Logistics Chain Management

Cost

GCSS-MC LCM Inc 1				
Appropriation Category	BY 2013 \$M		TY \$M	
	Original Estimate	Current Estimate Or Actual	Original Estimate	Current Estimate Or Actual
Acquisition Cost				
RDT&E	359.8	324.2	359.2	307.9
Procurement	83.4	87.8	89.0	88.3
MILCON	0.0	0.0	0.0	0.0
Acq O&M	151.7	163.3	160.5	160.5
Total Acquisition Cost	594.9	575.3	608.7	556.7
Operating and Support (O&S) Cost				
Total Operating and Support (O&S) Cost	1156.5	1265.5	1247.6	1365.1
Total Life-Cycle Cost				
Total Life-Cycle Cost	1751.4	1840.8	1856.3	1921.8

Cost Notes

1. This report and the Budget Year IT-1 Exhibit cover different time periods thus the costs will not match.
2. Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
3. The O&S costs reflect all work performed during that phase, regardless of the type or source of funding.

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2014
Major Automated Information System
Annual Report



Global Combat Support System-Marine Corps Logistics Chain
Management Increment 1 (GCSS-MC LCM Inc 1)

Defense Acquisition Management
Information Retrieval
(DAMIR)

UNCLASSIFIED

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Common Acronyms and Abbreviations for MAIS Programs

Acq O&M - Acquisition-Related Operations and Maintenance
ADM - Acquisition Decision Memorandum
AoA - Analysis of Alternatives
ATO - Authority To Operate
APB - Acquisition Program Baseline
BY - Base Year
CAE - Component Acquisition Executive
CDD - Capability Development Document
CPD - Capability Production Document
DAE - Defense Acquisition Executive
DoD - Department of Defense
DoDAF - DoD Architecture Framework
FD - Full Deployment
FDD - Full Deployment Decision
FY - Fiscal Year
IA - Information Assurance
IATO - Interim Authority to Operate
ICD - Initial Capability Document
IEA - Information Enterprise Architecture
IOC - Initial Operational Capability
IP - Internet Protocol
IT - Information Technology
KPP - Key Performance Parameter
\$M - Millions of Dollars
MAIS - Major Automated Information System
MAIS OE - MAIS Original Estimate
MAR – MAIS Annual Report
MDA - Milestone Decision Authority
MDD - Materiel Development Decision
MILCON - Military Construction
MS - Milestone
N/A - Not Applicable
O&S - Operating and Support
OSD - Office of the Secretary of Defense
PB - President's Budget
RDT&E - Research, Development, Test, and Evaluation
SAE - Service Acquisition Executive
TBD - To Be Determined
TY - Then Year
U.S.C- United States Code
USD(AT&L) - Under Secretary of Defense for Acquisition, Technology, & Logistics

Program Information

Program Name

Global Combat Support System-Marine Corps Logistics Chain Management Increment 1 (GCSS-MC LCM Inc 1)

DoD Component

Navy

United States Marine Corps

Responsible Office

Program Manager

Mr. David Hansen
2200 Lester Street
Quantico, VA 22134-5050

david.k.hansen@usmc.mil

Phone: 703-432-5803

Fax: 703-432-8701

DSN Phone:

DSN Fax:

Date Assigned: May 6, 2013

References

MAIS Original Estimate

April 17, 2014

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated April 3, 2014

Business Case

Business Case Analysis, including the Analysis of Alternatives: Key functional requirements for this program (which were articulated in the GCSS-MC Operational Requirements Document dated September 11, 2003) are summarized as follows:

- (1) Total Asset Visibility – GCSS-MC shall provide authorized users with timely and accurate information on the location, movement, status, and identity of Marine Corps units, personnel, equipment and supplies; and
- (2) Decision Support - GCSS-MC shall provide the Marine Corps specific information required by the GCSS-MC Capstone Requirements Document to support the Joint Task Force Commander's decision making process.

The Analysis of Alternatives dated May 10, 2004 considered a list of legacy, commercial-off-the-shelf (COTS) software, as well as developmental alternatives. The Analysis of Alternatives resulted in Alternative 4, COTS business application being recommended as the Preferred Alternative and approved by the Milestone Decision Authority (MDA) in an Acquisition Decision Memorandum (ADM), "GCSS-MC/LCM Block 1 Milestone A Technology Development Decision," July 23, 2004. The Analysis of Alternatives was validated in the Critical Change Report and for Milestone C. An Economic Analysis (EA) was performed on the selected alternative, and approved by the MDA in an ADM, "GCSS-MC/LCM Block 1 Milestone B Engineering and Manufacturing Decision," June 08, 2007.

Firm, Fixed-Price Feasibility: The determination of the development/integration contract type was based on cost and technical risk associated with satisfying the requirement. The MDA authorized a cost-type contract because development tasks are sufficiently complex and technically challenging that it is impossible to precisely estimate the cost of satisfying the requirements, and it is not practicable to reduce cost and technical risk to a level that would permit the use of a fixed price contract.

Independent Cost Estimate: The Senior Official determined on February 4, 2013 that the program experienced a Critical Change, and the revised Independent Cost Estimate completed on August 7, 2013 as part of the program evaluation determined that the estimate of total life-cycle costs for the program is closely aligned with the June 17, 2013 Service Cost Position (within 2%). The Independent Cost Estimate was used to inform the updated Acquisition Program Baseline.

Certification of Business Case Alignment; Explanation: I certify that all technical and business requirements have been reviewed and validated to ensure alignment with the business case. This certification is based on my review of the functional requirements, AoA, and EA as described above.

Business Case Certification:

Name: Mr. Victor S. Gavin

Organization: Navy/PEO Enterprise Information Systems for GCSS-MC LCM Inc 1

CAC Subject: CN=GAVIN.VICTOR.S.1229819859,OU=USN,OU=PKI,OU=DoD,O=U.S. Government,C=US

Date: 3/12/2014 07:22 AM

Business Case Changes

Independent Cost Estimate: An Independent Cost Estimate was completed on August 7, 2013 as part of the Critical Change program evaluation. The Business Case was recertified in the Dec 2013 MAR to reflect this update.

Program Status

Critical Change: Per 10 U.S.C. Chapter 144A, the Senior Official provided the congressional defense committees a report with certifications on September 6, 2013 of a of a Critical Change based on schedule. As allowed by 10 U.S.C. 2445b(c) (2), this report revises the program's Original Estimate.

The Program has been restructured and GCSS-MC/LCM Increment 1 now includes the operational Release 1.1 (Enterprise) and Release 1.1.1 which will deliver a disconnected functionality through use of the Mobile Field Service, an Enterprise Automated Task Organization process, and WAN optimization through selected tools.

Release 1.1 is 100% fielded and transition of operations and support activities to SPAWAR Systems Center Atlantic from Oracle Consulting has completed with the intent of increasing Government Enterprise Resource Planning expertise.

Life-cycle support for the GCSS-MC/LCM Increment 1 (Release 1.1) enterprise capability will continue to support the operating forces. The program is proceeding with development, test, and delivery of a deployable functionality (Release 1.1.1), continuing to process change requests for Release 1.1, working on the Oracle R12 upgrade and responding to user needs. Release 1.1.1 includes the Mobile Field Service application, Enterprise Automated Task Organization process, and network acceleration tools for users in austere locations with limited (or intermittent) network connectivity. A Full Deployment Decision for Increment 1 will come with proof of an acceptable level of operational risk for Release 1.1.1.

Schedule

Schedule Events		
Events	Original Estimate Objective	Current Estimate (Or Actual)
Milestone A	Jul 2004	Jul 2004
Milestone B	Jun 2007	Jun 2007
Milestone C ¹	May 2010	May 2010
FDD ²	Sep 2014	Dec 2014
FD ³	TBD	TBD

Memo

1/ A critical breach for time certain development (failure to meet Initial Operating Capability within five years of Milestone A (July 1, 2004) was addressed in a Critical Change in 2008 and the program was rebaselined at Milestone C.

2/ A critical change for schedule (>12 months change in FDD) occurred on December 31, 2012 and program was directed by the MDA to restructure on November 20, 2013. FDD was estimated to be September 2014 in the September 6, 2013 Critical Change Report.

3/ The Full Deployment date is TBD until defined in the FDD Acquisition Decision Memorandum.

Acronyms and Abbreviations

FD - Full Deployment
 FDD - Full Deployment Decision
 MS A - Milestone A
 MS B - Milestone B
 MS C - Milestone C
 N/A - Not Applicable
 TBD - To Be Determined

Performance

Performance Characteristics		
Original Estimate Objective/Threshold		Current Estimate (Or Actual)
Net Ready^{1, 2}		
(Objective = Threshold) 100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.	100% of interfaces, services, policy-enforcement controls & data correctness, availability & processing requirements designated as enterprise-level or critical in the Joint integrated architecture.	Met Threshold
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Acronyms and Abbreviations

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KPP - Key Performance Parameter

LCM - Logistics Chain Management

Cost

GCSS-MC LCM Inc 1				
Appropriation Category	BY 2013 \$M		TY \$M	
	Original Estimate	Current Estimate Or Actual	Original Estimate	Current Estimate Or Actual
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Procurement	83.4	87.0	89.0	89.1
MILCON	0.0	0.0	0.0	0.0
Acq O&M	151.7	163.2	160.5	160.5
Total Acquisition Cost	594.9	606.3	608.7	595.7
Operating and Support (O&S) Cost				
Total Operating and Support (O&S) Cost	1156.5	1156.5	1247.6	1247.6
Total Life-Cycle Cost				
Total Life-Cycle Cost	1751.4	1762.8	1856.3	1843.3

Cost Notes

1. This report and the Budget Year IT-1 Exhibit cover different time periods thus the costs will not match.
2. Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
3. The O&S costs reflect all work performed during that phase, regardless of the type or source of funding.
4. Life-cycle timeframe is FY 2004 through FY 2025. FY 2025 represents the planned Full Deployment in FY 2015 plus ten years.
5. The Original Estimate reflects the Navy Center for Cost Analysis Service Cost Position, dated June 17, 2013, which was conducted in support of the Critical Change Report submitted to Congress on September 6, 2013. The table below translates the Critical Change Service Cost Position into the Appropriation Categories portrayed on the MAR Cost page. It includes all program costs (funded by program and externally-funded). External Funding includes Civilian Pay, Military Personnel, and Other Non-Program Costs associated with leased facilities and training.
6. The approved Acquisition Program Baseline dated April 3, 2014 reflects Total Program Funding only.

	Original Estimate			
	TY \$M (from Critical Change Report)			
Appropriation Category	Sunk	Program	External	Total
RDT&E	285.2	74.0	--	359.2
Procurement	59.2	29.8	--	89.0
MILCON	--	--	--	--

Acq O&M	143.6	16.9	--	160.5
Total Acquisition Cost				608.7
Operating and Support (O&S) Cost	148.9	835.2	51.6	1,035.7
Civilian Personnel	42.8	--	84.7	127.5
Military Personnel	38.3	--	46.1	84.4
Total Operating and Support (O&S)				1247.6
Total Life Cycle Cost	718.0	955.9	182.4	1,856.3